

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of R. Westwater

Docket No. N1047

Filed herewith

For: METHOD FOR CONVERTING THE RESOLUTION AND FRAME RATE OF VIDEO DATA USING  
DISCRETE COSINE TRANSFORMS

**INFORMATION DISCLOSURE STATEMENT**

**Assistant Commissioner for Patents**

**Washington, D.C. 20231**

Dear Sir:

The Applicant submits herewith patents, publications, or other information of which he is aware and which he believes may be material to the patentability of this application and in respect of which there may be a duty to disclose in accordance with 37 C.F.R. §1.56.

While this Information Disclosure Statement may be "material" pursuant to 37 C.F.R. §1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to herein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 C.F.R. §1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 C.F.R. §1.56(a) exists.

The attached form, PTO-1449, provides a listing of patents, publications, or other information as required by 37 C.F.R. §1.98(a)(1). A copy of each reference is supplied herewith.

Respectfully submitted

Date: November 29, 2002

by:

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Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	
				Filing Date	
				First Named Inventor	R. Westwater
				Art Unit	
				Examiner Name	
				Attorney Docket Number	N1047
Sheet	1	of	2		

U.S. PATENT DOCUMENTS					
Examiner Initials <sup>2</sup>	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code <sup>2</sup> (if known)			
	01	US- 5,563,660	10-08-1996	Tsukagoshi	Abstract
	02	US- 5,657,082	08-12-1997	Harada et al.	Abstract
	03	US- 6,141,017	10-31-2000	Cubillo et al.	Abstract
	04	US- 6,229,570 B1	05-08-2001	Bugwadia et al.	Abstract
	05	US- 6,356,315 B1	03-12-2002	Chen et al.	Abstract
	06	US- 6,377,621 B2	05-23-2002	Borer	Abstract
	07	US- 6,442,201 B2	08-27-2002	Choi	Abstract
	08	US- 6,452,639 B2	09-17-2002	Wagner et al.	Abstract
	09	US- 6,456,663 B2	09-24-2002	Kim	Abstract
	10	US- 2001/0024515	09-27-2001	Martins et al.	Abstract
	11	US- 2001/0055340	12-27-2001	Kim et al.	Abstract
	12	US- 2002/0009225	01-24-2002	Takahashi et al.	Abstract
	13	US- 2002/0036705	03-28-2002	Lee et al.	Abstract
	14	US- 2002/0085114	07-04-2002	Ojo et al.	Abstract
	15	US- 2002/0136293	09-26-2002	Washino	Abstract, paragraph 0017
	16	US- 2002/0136308	09-26-2002	Le Maguet et al.	Abstract
	17	US- 2002/0136446	09-26-2002	Slavin	Abstract
	18	US- 2002/0141501	10-03-2002	Krishnamachari	Abstract
		US-			
		US-			

[illegible]

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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<div style="float: left; width: 40%;"><p>Substitute for form 1449B/PTO</p><h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2><p style="text-align: center;"><i>(use as many sheets as necessary)</i></p></div> <div style="float: right; width: 60%; text-align: center;"><b>Complete if Known</b></div>			
Application Number			
Filing Date			
First Named Inventor		R. Westwater	
Group Art Unit			
Examiner Name			
Attorney Docket Number		N1047	
Sheet	2	of	2

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	19	BORKO FURHT, JOSHUA GREENBERG, and RAYMOND WESTWATER, Motion Estimation Algorithms for Video Compression, Kluwer Academic Publishers, 1997, pp. 1-27, 105-126.	
	20	RAYMOND WESTWATER and BORKO FURHT, Real Time Video Compression, Techniques and Algorithms, Kluwer Academic Publishers, 1997, pp. 1-21, 37-51.	
	21.	K. R. RAO and P. YIP, Discrete Cosine Transform, Academic Press, Inc., 1990, pp. 1-38.	
	22	GEORGI TOLSTOV, Fourier Series, Dover Publications, Inc., 1962, pp. 66-96.	
	23	JOAN L. MITCHELL, WILLIAM B. PENNEBAKER, CHAD E. FOGG, and DIDIER J. LEGALL, MPEP Video Compression Standard, Chapman and Hall, 1996	

Examiner Signature	Date Considered
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